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RAW SEQUENCE LISTING

DATE: 09/20/2001

PATENT APPLICATION: US/09/900,876

TIME: 14:49:26

Input Set : A:\ES.txt

Output Set: N:\CRF3\09202001\I900876.raw

ENTERED

3 <110> APPLICANT: WATANABE, KATSUJI
4 OKUDA, MITSURU
6 <120> TITLE OF INVENTION: METHOD AND SYSTEM FOR SEARCHING FOR RELATIONSHIPS BETWEEN
BASE SEQUENCES
7 IN GENES
9 <130> FILE REFERENCE: 210847US0X
11 <140> CURRENT APPLICATION NUMBER: 09/900,876
12 <141> CURRENT FILING DATE: 2001-07-10
14 <150> PRIOR APPLICATION NUMBER: JP 2000-215134
15 <151> PRIOR FILING DATE: 2000-07-14
17 <160> NUMBER OF SEQ ID NOS: 4
19 <170> SOFTWARE: PatentIn version 3.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1009
23 <212> TYPE: DNA
24 <213> ORGANISM: Rhodospirillum salexigens
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28 <222> LOCATION: (50)..(51)
29 <223> OTHER INFORMATION: n = c, g, a, or t
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33 <221> NAME/KEY: misc_feature
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39 <221> NAME/KEY: misc_feature
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47 <223> OTHER INFORMATION: n = c, g, a, or t
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64 <222> LOCATION: (806)..(806)
65 <223> OTHER INFORMATION: n = c, g, a, or t
68 <220> FEATURE:
69 <221> NAME/KEY: misc_feature
70 <222> LOCATION: (853)..(854)
71 <223> OTHER INFORMATION: n = c, g, a, or t

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76 <222> LOCATION: (888)..(889)
77 <223> OTHER INFORMATION: n = c, g, a, or t
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82 <222> LOCATION: (966)..(966)
83 <223> OTHER INFORMATION: n = c, g, a, or t
86 <400> SEQUENCE: 1
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W--> 89 gtnagcgggc gacgggtgag taacgcgtgg gaacctgctc agggctctgg gataactgct 120
91 ggaaacggca gctaataccg gatacgccgt attgggaaag aaattcggcc ttggatgggc 180
93 ccgcgttggg ttagctagat ggtggggtaa cggcctacca tggcgacgat ccatagctgg 240
95 tttgagagga tgatcagcca cactgggact gagacaaggc ccagactcct acgggaggca 300
97 gcagtgggga atcttagaca atgggggcaa ccctgatcta gccatgccgc gtgagtgatg 360
99 aaggccttag gttgtaaag ctctttcagc agggaagata atgactgtac ctgcagaaga 420
W+--> 101 agctccggct aactccgtgc cagcagccgc ggtaatacgg agnngggcnag cgttgttcgg 480
103 aattactggg cgtaaagcgc gcgtaggcgg atcggtcagt tgggggtgaa agcccggggc 540
W--> 105 tcaacctcgg aactgccctc aaaactaccg atcnagagtt cgggagaggt aagcgggaatt 600
107 ccagtgtag aggtgaaatt cgtagatatt gggagaaca ccagtggcga aggcggctta 660
W--> 109 ctggaccgat actgacgctg aggtgcnaaa gcgtggggag caaacaggat tagataccct 720
111 ggtagtccac gccgtaaacg atgggtgcta gatgtcgggg ctcttagagt ttcggtatcg 780
W--> 113 cagctaacgc attaaacacc ccgccnnggg agtacggcg caaggttaaa actcaaagga 840
W--> 115 attgacgggg gcnngcaca ggggtggagc atgtggttta attcgaanna acgcgcagaa 900
117 ccttagcagc tcttgacatc ccgggaacgac ttccagagat ggattttttc acttcgggtga 960
W--> 119 cccgnggaca ggtgctgcat ggctgtcgtc agctcgtgctc gtgagatgt 1009
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125 <213> ORGANISM: Rhodospirillum salexigens
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148 <223> OTHER INFORMATION: n = c, g, a, or t
151 <220> FEATURE:
152 <221> NAME/KEY: misc_feature
153 <222> LOCATION: (490)..(490)

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200 <221> NAME/KEY: misc_feature
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206 <221> NAME/KEY: misc_feature
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211 <220> FEATURE:
212 <221> NAME/KEY: misc_feature
213 <222> LOCATION: (1437)..(1442)
214 <223> OTHER INFORMATION: n = c, g, a, or t
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <222> LOCATION: (1451)..(1475)
220 <223> OTHER INFORMATION: n = c, g, a, or t
223 <400> SEQUENCE: 2
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W--> 226 agtcgagcgc anncttcgg gggtnagcgg cggacgggtg agtaacgcgt gggaacctgc 120
228 tcagggctct gggataactg ctggaaacgg cagctaatac cggatacgcc gtattgggaa 180

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230 agaaattcgg ccttgatgg gccgcgttg gattagctag atggtggggg aacggcctac 240
232 catggcgacg atccatagct ggtttgagag gatgatcagc cacactggga ctgagacacg 300
234 gcccagactc ctacgggagg cagcagtggg gaattctaga caatgggggc aaccctgac 360
236 tagccatgcc gcgtgagtga tgaaggcctt agggttgtaa agctctttca gcagggaaga 420
238 taatgactgt acctgcagaa gaagctccgg ctaactcgtt gccagcagcc gcggtaatac 480
W--> 240 ggagngggcn agcgttggtc ggaattactg ggcgtaaagc gcgcgtaggg ggatcgggtca 540
W--> 242 gttgggggtg aaagcccggg gctcaacctc ggaactggcc tcaaaactac cgatcñagag 600
244 ttcggggagag gtaagcggaa ttcccagtgt agaggtgaaa ttcgtagata ttgggaagaa 660
W--> 246 caccagtggc gaaggcggct tactggaccg atactgacgc tgaggtgchn aagcgtgggg 720
248 agcaaacagg attagatacc ctggtagtcc acgcgtaaaa cgatgggtgc tagatgtcgg 780
W--> 250 ggctcttaga gtttcgggtat cgcagctaac gcattaagca ccccgccngg ggagtacggc 840
W--> 252 cgcaaggtta aaactcaaag gaattgacgg ggcnnngcac aagcggtgga gcatgtgggt 900
W--> 254 taattcgaan naacgcgcag aaccttacca gctcttgaca tcccgggacg acttccagag 960
W--> 256 atggattttt tcacttcggt gaccggngga caggtgtgtc atggctgtcg tcagctcgtg 1020
W--> 258 tcgtgagatg ttgggttaag tcccñcaacg agcgcaaccc tcgcccttag ttgccagcat 1080
260 ttgggttgggg actctāaggg āactgcccgt gataagccgg aggaagggtg ggatgacgtc 1140
262 aagtcctcat ggcccttatg ggctgggcta cacacgtgct acaatggcgg tgacagaggg 1200
264 cagcgagcct gcgaggggtga gcgaatctct aaaagccgtc tcagtccgga ttgttctctg 1260
266 caactcgaga gcatgaaggt ggaatcgcta gtaatcgcg atcagcatgc cgcggtgaat 1320
W--> 268 acgttcccgg gnnttgta caccgcccgt cacaccatgg gagttgggtt gacccgaaga 1380
W--> 270 cggtgagcta acccgaaagg ggggcagñcg gccacgggtca ggtcagcgac tggggtnnnn 1440
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275 <210> SEQ ID NO: 3
276 <211> LENGTH: 19
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
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281 <223> OTHER INFORMATION: Synthetic DNA
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287 <210> SEQ ID NO: 4
288 <211> LENGTH: 20
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Synthetic DNA
295 <400> SEQUENCE: 4
296 acatttcaca acacgagctg 20

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VERIFICATION SUMMARY

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Input Set : A:\ES.txt

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L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2